Peak District National Park

Forecast valid from 00:00 on Wednesday 29 Jun 2022 until 23:59 on Thursday 30 Jun 2022

Forecast Issued on Tuesday 28 Jun 2022 at 15:10

Confidence: High for the generally unsettled these. Lower for the timing of the showers or heavy rain and also the likelihood of any thunderstorms.

Headline for Wednesday 29 Jun 2022: Heavy overnight rain clearing to scattered showers and sunny spells. Showers heavy and thundery at times.

Mountain weather hazards on Wednesday 29 Jun 2022

Blizzards
No Likelihood

Heavy persistent snow
No Likelihood

Storm force winds
No Likelihood

Gales
No Likelihood

Severe chill effect
No Likelihood

Poor visibility
No Likelihood

Thunderstorms
High Likelihood

Heavy persistent rain
Medium Likelihood

Strong sunlight
Medium Likelihood

Weather and chance of precipitation at 600m							
Time							
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
Heavy Rain	Heavy Rain	Light rain	Light rain showers	Heavy rain showers	Thundery showers	Heavy rain showers	Light rain showers
Precipitation probability							
90%	90%	50%	50%	50%	60%	30%	20%

Forecast for Wednesday 29 Jun 2022

Weather: Heavy overnight rain clearing through before dawn, with winds also easing. Sunny spells likely at first, however showers will soon develop quite widely. These heavy, with a hail and thunderstorm risk during the afternoon. Rather warm away from the showers with sunny spells and variable cloud.

Chance of cloud-free hill tops above 600m: 20% overnight improving to 90% during the morning, lower in showers.

Low cloud and visibility: Any overnight cloud at 500m lifting off the tops quite quickly. Cloud then staying above the summits for much of the day, however further brief cloud could reform on the highest summits during any heavy showers. Very good visibility from most tops, but falling to moderate to poor in rain, and very poor in any hail.

Forecast for Wednesday 29 Jun 2022

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	20/26 S	17/23 S	16/22 S	16/22 S	18/25 S	14/20 SW	9/13 SW	7/11 S	7/10 S
300	15/21 S	13/21 S	14/20 S	14/21 S	16/24 S	10/16 SW	7/11 SW	6/9 S	6/10 S
Valley	10/22 S	8/19 S	8/18 S	10/20 S	10/21 S	7/15 SW	4/9 SW	3/8 SE	4/9 S

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	10/7	10/7	10/7	11/8	14/10	14/12	13/12	12/10	10/9
300	12/10	12/10	12/10	14/11	16/13	17/15	16/15	14/13	12/11
Valley	13/11	13/11	13/12	15/13	18/16	17/16	16/16	14/14	12/12
Freezing Level*	2700m	2400m	2000m	2200m	2200m	2300m	2300m	2300m	2100m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Sun will be strong during any cloud-breaks, leading to a Moderate risk of sunburn unless adequately protected. Waterproofs and appropriate footwear also essential, with heavy rain or showers possible any time.

Recent rainfall: measured at Cat & Fiddle: altitude 511m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
14:00 on Tue 28 Jun 2022	0mm	7.8mm	10.6mm

Forecast for Thursday 30 Jun 2022

Weather: Dry for a while overnight but showers developing again during the morning. While showers won't be as frequent or heavy as Wednesday, lighter winds mean that any that do develop will be slow moving. Isolated thunderstorms cannot be ruled out.

Maximum wind: Southerly 10-15 mph

Chance of cloud-free hill tops above 600m: 50% overnight improving to 90% by early afternoon.

Low cloud and visibility: Down to 500 metres in any overnight showers but lifting above summits quite early on Thursday morning. Visibility generally very good, but deteriorating quickly in heavy showers.

Temperature: **Valleys:** Ps 07 improving to Ps 22 Celsius
At 600m: SW BECMG W 10-15 mph
Freezing level: Well above summits